

In the Specification

On page 11, line 4, please replace the paragraph with the following:

FIG. 14A, FIG. 14B, FIG. 14C and FIG. 14D. Interaction of MEF2 and HDACs 4 and 5 in yeast and mammalian cells and HDAC-mediated repression of MEF2 activity. FIG. 14A, schematic diagrams of HDACs 4 and 5 and the different regions of the proteins encoded by cDNAs rescued as “prey” in two-hybrid screens are shown (SEQ ID NO:1 and SEQ ID NO:2). The rescued HDAC cDNAs overlap in the 18-amino acid segment shown at the bottom. FIG 14B1 – 14B2, coimmunoprecipitation of MEF2C and HDACs 4 and 5 from transfected cells. HDACs with Flag epitopes at their carboxyl-termini and MEF2C were expressed in transiently transfected 293 T cells. Forty eight hours following transfection, cell extracts were prepared and immunoprecipitated with anti-Flag antibody. Immunoprecipitates were then separated by SDS-PAGE and sequentially immunoblotted with anti-MEF2 or anti-Flag antibodies. The top panel shows the results of anti-MEF2 Western and demonstrates specific interaction of HDAC 4 and 5 with MEF2C. The bottom panel shows the results of anti-Flag (HDAC) Western blot and demonstrates that comparable amounts of each HDAC were expressed in transfected cells. FIG. 14C, 10T1/2 cells were transiently transfected with pG5E1b-luciferase reporter and expression vectors for GAL4-MEF2C, GAL4-MEF2C-ΔN, and the indicated HDACs and luciferase activity was determined. FIG. 14D, binding of a MEF2-DNA complex to GST-HDAC4. GST-HDAC4 was incubated with ³⁵S-labeled in vitro translation products, which were premixed with a ³²P-labeled MEF2 site. Beads were then washed and associated radioactivity was determined.

On page 76, line 14, please replace with the following:

GGCCTTTCCTTCTCCTCTATAAATACCAGCTCTGGTATTTC (SEQ ID NO:3)

Please insert the attached Sequence Listing at the end of the specification.